

## A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF DEPOLLUTION  
MEANS INTEGRATED IN AN EXHAUST LINE OF A DIESEL-ENGINED  
5 VEHICLE

This system in which the depollution means (1) are  
associated with oxidation catalyst-forming means (2), and  
the engine (4) is associated with common manifold means  
10 (7) for feeding fuel and adapted to implement a  
regeneration strategy using at least one post-injection  
of fuel into the cylinders, is characterized in that it  
includes means (8) for detecting a regeneration request  
(req.RG), means (9) for detecting when the engine is  
15 idling, means (11) for acquiring the temperature  
downstream from the catalyst-forming means, means (8) for  
determining, on the basis of said temperature, a maximum  
quantity of fuel to be injected when post-injections take  
place while the engine is idling on the basis of said  
20 temperature, and means (7, 8) for progressively reducing  
post-injection as soon as the quantity of fuel injected  
has reached the maximum quantity.

25

30

35 Translation of the title and the abstract as published by the PCT Authorities,  
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or  
48.3.